

Application No. 09/811,359
Amendment dated May 30, 2007
Reply to Office Action dated March 12, 2007

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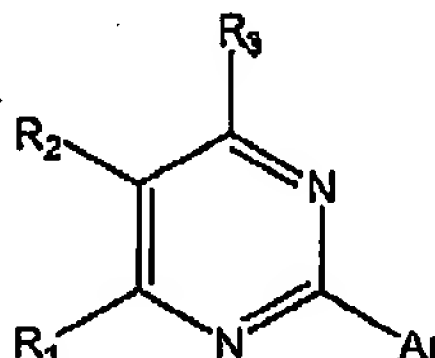
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AMENDMENTS TO THE CLAIMS

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MAY 30 2007

1. (Previously Presented) A compound of the formula:



or a pharmaceutically acceptable salt thereof, wherein:

Ar is phenyl, 1- or 2-naphthyl, each of which is mono-, di-, or tri-substituted;

R₁ is chosen from hydrogen, halogen, cyano, nitro, alkyl, alkenyl, alkoxy, (cycloalkyl)alkyl, alkylthio, alkylsulfinyl, alkylsulfonyl, or mono- or dialkylcarboxamide each of which is optionally substituted with 0-3 substituents independently selected from Halogen, cyano, hydroxyl, amino, nitro, C₁₋₆alkyl, C₂₋₆alkenyl, C₁₋₆alkoxy, C₁₋₆alkanoyl, C₁₋₆aminoalkyl, carboxamido, and benzyl;

R₃ is chosen from hydrogen, cyano, nitro, alkyl, alkenyl, alkoxy, (cycloalkyl)alkyl, alkylthio, alkylsulfinyl, alkylsulfonyl, or mono- or dialkylcarboxamide, each of which is optionally substituted with 0-3 substituents independently selected from Halogen, cyano, hydroxyl, amino, nitro, C₁₋₆alkyl, C₂₋₆alkenyl, C₁₋₆alkoxy, C₁₋₆alkanoyl, C₁₋₆aminoalkyl, carboxamido, and benzyl, with the proviso that R₁ and R₃ are not both hydrogen; and

R₂ is alkenyl, alkynyl, aminoalkyl, mono or dialkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, or mono or dialkylcarboxamide each of which is optionally substituted with 0-3 substituents independently selected from Halogen, cyano, hydroxyl, amino, nitro, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₁₋₆alkoxy, C₁₋₆alkanoyl, C₁₋₆aminoalkyl, carboxamido, and benzyl.

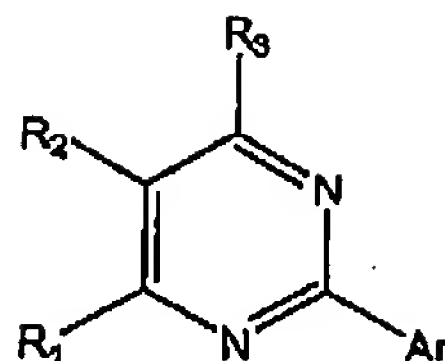
2. (Cancelled).

3. (Currently amended) A compound of the formula

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or a pharmaceutically acceptable salt thereof, wherein:

R₁ and R₃ are independently selected from hydrogen, cyano, C₁₋₆ alkyl, C₂₋₆ alkenyl, (C₃₋₇cycloalkyl)₁C₁₋₄alkyl, (C₃₋₇cycloalkyl)₁C₂₋₄alkenyl, -O(C₃₋₇cycloalkyl)₁C₁₋₄alkyl, -O(C₃₋₇cycloalkyl)₁C₂₋₄alkenyl, halo(C₁₋₆)alkyl, haloC₂₋₆alkenyl, -O(halo(C₁₋₆)alkyl), -O(halo(C₂₋₆)alkenyl), -O(C₁₋₆alkyl), -O(C₂₋₆alkenyl), S(O)_n(C₁₋₆alkyl), and S(O)_n(C₂₋₆alkenyl),

where each alkyl, or alkenyl is independently straight, branched, or cyclic, and is optionally substituted with one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino,

and

where each C₃₋₇cycloalkyl₁ is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino,

with the proviso that not both R₁ and R₃ are hydrogen;

R₂ is selected from the group consisting of -OR_A, -S(O)_nR_A, [[-NHR_A,]] -NR_AR_B, -C(=O)NHR_A, -C(=O)NR_AR_B, -S(O)_nNHR_A, -S(O)_nNR_AR_B, -NHS(O)_nR_A, -NR_BS(O)_nR_A, and 3- to 7-membered carbocyclic groups which are saturated or partially unsaturated, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl);

Ar is selected from the group consisting of phenyl and naphthyl, each of which is mono-, di-, or tri-substituted with R_C;

~~R_A and R_B, which may be the same or different, are~~ is independently selected at each occurrence from:

~~hydrogen,~~ straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms,

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straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, cyano, amino, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), -NHC(=O)(C₁₋₆alkyl), -N(C₁₋₆alkyl)C(=O)(C₁₋₆alkyl), -NHS(O)_n(C₁₋₆alkyl), -S(O)_n(C₁₋₆alkyl), -S(O)_nNH(C₁₋₆alkyl), -S(O)_nN(C₁₋₆alkyl)(C₁₋₆alkyl), and 3- to 7-membered carbocyclic groups which are saturated, unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl);

R_B is independently selected at each occurrence from:

hydrogen, straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, cyano, amino, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), -NHC(=O)(C₁₋₆alkyl), -N(C₁₋₆alkyl)C(=O)(C₁₋₆alkyl), -NHS(O)_n(C₁₋₆alkyl), -S(O)_n(C₁₋₆alkyl), -S(O)_nNH(C₁₋₆alkyl), -S(O)_nN(C₁₋₆alkyl)(C₁₋₆alkyl), and 3- to 7-membered carbocyclic groups which are saturated, unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl);

R_C is independently selected at each occurrence from halogen, cyano, halo(C₁₋₆)alkyl, halo(C₁₋₆)alkoxy, hydroxy, amino, C₁₋₆alkyl substituted with 0-2 R_D, C₂₋₆ alkenyl substituted with 0-2 R_D, C₂₋₆alkynyl substituted with 0-2 R_D, C₃₋₇cycloalkyl substituted with 0-2 R_D, (C₃₋₇cycloalkyl)C₁₋₄alkyl substituted with 0-2 R_D, C₁₋₆alkoxy substituted with 0-2 R_D, -NH(C₁₋₆alkyl) substituted with 0-2 R_D, -N(C₁₋₆alkyl)(C₁₋₆alkyl) each C₁₋₆alkyl independently substituted with 0-2 R_D, -XR_A, and Y;

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R_D is independently selected at each occurrence from the group consisting of halogen, hydroxy, cyano, amino, C_{1-4} alkyl, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$,

$-S(O)_n(alkyl)$, halo(C_{1-4})alkyl, halo(C_{1-4})alkoxy, $CO(C_{1-4}alkyl)$, $CONH(C_{1-4}alkyl)$, $CON(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-XR_A$, and Y;

X is independently selected at each occurrence from the group consisting of $-CH_2-$, $-CHR_B-$, $-O-$, $-C(=O)-$, $-C(=O)O-$, $-S(O)_n-$, $-NH-$, $-NR_B-$, $-C(=O)NH-$, $-C(=O)NR_B-$, $-S(O)_nNH-$, $-S(O)_nNR_B-$, $-OC(=S)S-$, $-NHC(=O)-$, $-NR_BC(=O)-$, $-NHS(O)_n-$, $-OSiH_n(C_{1-4}alkyl)_{2-n}-$, and $-NR_BS(O)_n-$;

Y is independently selected at each occurrence from: 3- to 7-membered carbocyclic groups or heterocyclic groups which are saturated, unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, cyano, C_{1-4} alkyl, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$, and $-S(O)_n(alkyl)$,

said 3- to 7-membered heterocyclic groups containing one or more heteroatom(s) independently selected from N, O, and S, with the point of attachment being either carbon or nitrogen; and

n is independently selected at each occurrence from 0, 1, and 2.

4. (Previously Presented) A compound or salt according to Claim 1 wherein

Ar is mono-, di-, or trisubstituted phenyl; and

R_2 is selected from aminoalkyl, and mono or dialkylamino.

5. (Original) A compound or salt according to Claim 3, wherein:
Ar is phenyl mono-, di-, or tri-substituted with R_C .

6. (Previously Presented) A compound or salt according to Claim 3, wherein:

Ar is phenyl mono-, di-, or tri-substituted with R_C ; and

R_1 and R_3 are independently selected from the group consisting of

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C₁₋₃alkyl, C₁₋₃alkoxy, (C₃₋₇cycloalkyl)C₁₋₃alkyl, (C₃₋₇cycloalkyl)C₁₋₃alkoxy, each of which is unsubstituted or substituted by 1-3 groups independently chosen from hydroxy, amino, cyano, and halogen.

7. (Previously Presented) A compound or salt according to Claim 3, wherein:

Ar is phenyl mono-, di-, or tri-substituted with R_C; and

R_A and R_B, which may be the same or different, are independently selected at each occurrence from:

straight, branched, or cyclic alkyl groups having from 1 to 8 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms.

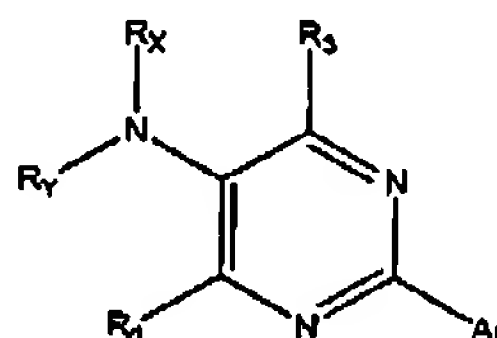
8. (Previously Presented) A compound or salt according to Claim 3, wherein:

Ar is phenyl mono-, di-, or tri-substituted with R_C;

R_A and R_B, which may be the same or different, are independently selected at each occurrence from: straight, branched, or cyclic alkyl groups having from 1 to 8 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms; and

R₁ and R₃ are independently selected from the group consisting of C₁₋₃alkyl, C₁₋₃alkoxy, (C₃₋₇cycloalkyl)C₁₋₃alkyl, (C₃₋₇cycloalkyl)C₁₋₃alkoxy, each of which is unsubstituted or substituted by 1-3 groups independently chosen from hydroxy, amino, cyano, and halogen.

9. (Currently amended) A compound of Formula A



Formula A

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or a pharmaceutically acceptable salt thereof, wherein:

~~R_x and R_y are the same or different and are~~ is independently selected from:

a) ~~hydrogen,~~

~~[[b)]]~~ -(C=O)alkyl_A, wherein alkyl_A is a straight or branched alkyl group having from 1 to 8 carbon atoms; and

~~[[c)]]~~ b) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, cycloalkyl(alkyl) groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from:

i) hydroxy, halogen, amino, cyano, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -NH(C₁₋₄alkyl)(C₁₋₄alkyl), and

ii) 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents independently selected from halogen, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl),

R_y is selected from:

a) hydrogen,

b) -(C=O)alkyl_A, wherein alkyl_A is a straight or branched alkyl group having from 1 to 8 carbon atoms; and

c) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, cycloalkyl(alkyl) groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from:

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- i) hydroxy, halogen, amino, cyano, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -NH(C₁₋₄alkyl)(C₁₋₄alkyl), and
- ii) 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents independently selected from halogen, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl).

R₁ is selected from hydrogen, halogen, cyano, C₁₋₆ alkyl, C₂₋₆alkenyl, (C₃₋₇cycloalkyl₁)C₁₋₄alkyl, (C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, -O(C₃₋₇cycloalkyl₁)C₁₋₄alkyl, -O(C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, halo(C₁₋₆)alkyl, haloC₂₋₆alkenyl, -O(halo(C₁₋₆)alkyl), -O(halo(C₂₋₆)alkenyl), -O(C₁₋₆alkyl), -O(C₂₋₆alkenyl), S(O)_n(C₁₋₆alkyl), and S(O)_n(C₂₋₆alkenyl),

R₃ is selected from hydrogen, cyano, C₁₋₆ alkyl, C₂₋₆alkenyl, (C₃₋₇cycloalkyl₁)C₁₋₄alkyl, (C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, -O(C₃₋₇cycloalkyl₁)C₁₋₄alkyl, -O(C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, halo(C₁₋₆)alkyl, haloC₂₋₆alkenyl, -O(halo(C₁₋₆)alkyl), -O(halo(C₂₋₆)alkenyl), -O(C₁₋₆alkyl), -O(C₂₋₆alkenyl), S(O)_n(C₁₋₆alkyl), and S(O)_n(C₂₋₆alkenyl),

where each alkyl, or alkenyl is independently straight, branched, or cyclic, and is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino,

and

where said C₃₋₇cycloalkyl₁ is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino with the proviso that not both R₁ and R₃ are hydrogen;

Ar is selected from the group consisting of phenyl and naphthyl, each of which is mono-, di-, or tri-substituted with R_C;

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R_A and R_B , which may be the same or different, are independently selected at each occurrence from the group consisting of:

hydrogen, straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, and straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, nitro, cyano, C_{1-6} alkoxy, $-NH(C_{1-6}alkyl)$, $-N(C_{1-6}alkyl)(C_{1-6}alkyl)$, $-NHC(=O)(C_{1-6}alkyl)$, $-N(C_{1-6}alkyl)C(=O)(C_{1-6}alkyl)$, $-NHS(O)_n(C_{1-6}alkyl)$, $-S(O)_n(C_{1-6}alkyl)$, $-S(O)_nNH(C_{1-6}alkyl)$, $-S(O)_nN(C_{1-6}alkyl)(C_{1-6}alkyl)$, and Z;

R_C is independently selected at each occurrence from halogen, cyano, halo(C_{1-6})alkyl, halo(C_{1-6})alkoxy, hydroxy, amino, and C_{1-6} alkyl substituted with 0-2 R_D , C_{2-6} alkenyl substituted with 0-2 R_D , C_{2-6} alkynyl substituted with 0-2 R_D , C_{3-7} cycloalkyl substituted with 0-2 R_D , $(C_{3-7}cycloalkyl)C_{1-4}alkyl$ substituted with 0-2 R_D , C_{1-6} alkoxy substituted with 0-2 R_D , $-NH(C_{1-6}alkyl)$ substituted with 0-2 R_D , $-N(C_{1-6}alkyl)(C_{1-6}alkyl)$ each $C_{1-4}alkyl$ independently substituted with 0-2 R_D , $-XR_A$, and Y, with the proviso that at least one of the positions ortho or para to the point of attachment of Ar to the pyrimidine ring shown in Formula A is substituted;

R_D is independently selected at each occurrence the group consisting of halogen, hydroxy, cyano, $C_{1-4}alkyl$, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-S(O)_n(alkyl)$ halo(C_{1-4})alkyl, halo(C_{1-4})alkoxy, $CO(C_{1-4}alkyl)$, $CONH(C_{1-4}alkyl)$, $CON(C_{1-4}alkyl)(C_{1-4}alkyl)$, $-XR_A$, and Y;

X is independently selected at each occurrence from the group consisting of $-CH_2-$, $-CHR_B-$, $-O-$, $-C(=O)-$, $-C(=O)O-$, $-S(O)_n-$, $-NH-$, $-NR_B-$, $-C(=O)NH-$, $-C(=O)NR_B-$, $-S(O)_nNH-$, $-S(O)_nNR_B-$, $-OC(=S)S-$, $-NHC(=O)-$, $-NR_BC(=O)-$, $-NHS(O)_n-$, $-OSiH_n(C_{1-4}alkyl)_{2-n}-$, and $-NR_BS(O)_n-$;

Y and Z are independently selected at each occurrence from the group consisting of: 3- to 7-membered carbocyclic groups or heterocyclic groups, which are saturated, unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy,

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amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl); and
 n is 0, 1, or 2.

10. (Previously Presented) A compound or salt according to Claim 9, wherein:

R_x and R_y are the same or different and are independently selected from:

a) -(C=O)alkyl_A, wherein alkyl_A is a straight or branched alkyl group having from 1 to 8 carbon atoms;

b) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 12 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from:

i) hydroxy, halogen, amino, cyano, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -NH(C₁₋₄alkyl)(C₁₋₄alkyl), and

ii) 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents independently selected from halogen, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl).

R₁ is selected from hydrogen, halogen, cyano, C₁₋₆ alkyl, C₂₋₆alkenyl, (C₃₋₇cycloalkyl₁)C₁₋₄alkyl, (C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, -O(C₃₋₇cycloalkyl₁)C₁₋₄alkyl, -O(C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, halo(C₁₋₆)alkyl, haloC₂₋₆alkenyl, -O(halo(C₁₋₆)alkyl), -O(halo(C₂₋₆)alkenyl), -O(C₁₋₆alkyl), and -O(C₂₋₆alkenyl),

R₃ is selected from hydrogen, cyano, C₁₋₆ alkyl, C₂₋₆alkenyl, (C₃₋₇cycloalkyl₁)C₁₋₄alkyl, (C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, -O(C₃₋₇cycloalkyl₁)C₁₋₄alkyl, -O(C₃₋₇cycloalkyl₁)C₂₋₄alkenyl, halo(C₁₋₆)alkyl, haloC₂₋₆alkenyl, -O(halo(C₁₋₆)alkyl), -O(halo(C₂₋₆)alkenyl), -O(C₁₋₆alkyl), and -O(C₂₋₆alkenyl),

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where each alkyl, or alkenyl is independently straight, branched, or cyclic, and is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino,

and

where said C₃₋₇cycloalkyl₁ is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino

Ar is phenyl, which is mono-, di-, or tri-substituted with R_C;

R_A and R_B, which may be the same or different, are independently selected at each occurrence from the group consisting of:

hydrogen, straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, and straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, nitro, cyano, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), -NHC(=O)(C₁₋₆alkyl), -N(C₁₋₆alkyl)C(=O)(C₁₋₆alkyl), and Z;

R_C is independently selected at each occurrence from halogen, cyano, halo(C₁₋₆)alkyl, halo(C₁₋₆)alkoxy, hydroxy, amino, and C₁₋₆alkyl substituted with 0-2 R_D, C₂₋₆ alkenyl substituted with 0-2 R_D, C₂₋₆alkynyl substituted with 0-2 R_D, C₃₋₇cycloalkyl substituted with 0-2 R_D, (C₃₋₇cycloalkyl)C₁₋₄alkyl substituted with 0-2 R_D, C₁₋₆alkoxy substituted with 0-2 R_D, -NH(C₁₋₆alkyl) substituted with 0-2 R_D, -N(C₁₋₆alkyl)(C₁₋₆alkyl) each C₁₋₄alkyl independently substituted with 0-2 R_D, -XR_A, and Y, with the proviso that at least one of the positions ortho or para to the point of attachment of Ar to the pyrimidine ring shown in Formula A is substituted;

R_D is independently selected at each occurrence the group consisting of halogen, hydroxy, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, CO(C₁₋₄alkyl), CONH(C₁₋₄alkyl), CON(C₁₋₄alkyl)(C₁₋₄alkyl), -XR_A, and Y;

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X is independently selected at each occurrence from the group consisting of $-\text{CH}_2-$, $-\text{CHR}_B-$, $-\text{O}-$, $-\text{C}(=\text{O})-$, $-\text{C}(=\text{O})\text{O}-$, $-\text{NH}-$, $-\text{NR}_B-$, $-\text{C}(=\text{O})\text{NH}-$, $-\text{C}(=\text{O})\text{NR}_B-$, $-\text{NHC}(=\text{O})-$, and $-\text{NR}_B\text{C}(=\text{O})-$;

Y and Z are independently selected at each occurrence from the group consisting of: 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, C_{1-4} alkyl, $-\text{O}(\text{C}_{1-4}\text{alkyl})$, $-\text{NH}(\text{C}_{1-4}\text{alkyl})$, and $-\text{N}(\text{C}_{1-4}\text{alkyl})(\text{C}_{1-4}\text{alkyl})$; and
n is 0, 1, or 2.

11. (Previously Presented) A compound or salt according to claim 9, wherein:

Ar is phenyl mono-, di-, or tri-substituted with R_C , and

R_1 is selected from the group consisting of

hydrogen, halogen, C_{1-4} alkoxy, $\text{halo}(\text{C}_{1-4})\text{alkyl}$, $\text{halo}(\text{C}_{1-4})\text{alkoxy}$, $\text{C}_{1-6}\text{alkyl}$, which $\text{C}_{1-6}\text{alkyl}$ is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C_{1-4} alkoxy, amino, and mono- or di(C_{1-4})alkylamino, and
 $(\text{C}_{3-7}\text{cycloalkyl})\text{C}_{1-4}\text{alkyl}$, which $(\text{C}_{3-7}\text{cycloalkyl})\text{C}_{1-4}\text{alkyl}$ is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C_{1-4} alkoxy, amino, and mono- or di(C_{1-4})alkylamino; and

R_3 is selected from the group consisting of

hydrogen, C_{1-4} alkoxy, $\text{halo}(\text{C}_{1-4})\text{alkyl}$, $\text{halo}(\text{C}_{1-4})\text{alkoxy}$, $\text{C}_{1-6}\text{alkyl}$, which $\text{C}_{1-6}\text{alkyl}$ is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C_{1-4} alkoxy, amino, and mono- or di(C_{1-4})alkylamino, and
 $(\text{C}_{3-7}\text{cycloalkyl})\text{C}_{1-4}\text{alkyl}$, which $(\text{C}_{3-7}\text{cycloalkyl})\text{C}_{1-4}\text{alkyl}$ is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C_{1-4} alkoxy, amino, and mono- or di(C_{1-4})alkylamino.

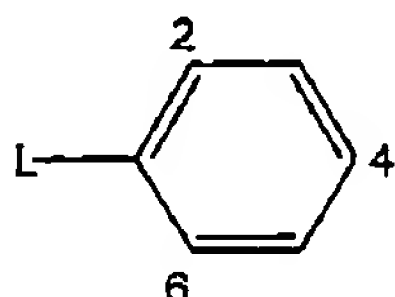
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12. (Previously Presented) A compound or salt according to claim 9, wherein:

Ar is a phenyl group of the formula:



wherein L indicates a bond to the pyrimidine ring in Formula A

and the phenyl group is substituted at one, two, or three of positions 2, 4, and 6 positions of the phenyl ring with substituents independently selected from:

- i) halogen, cyano, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, hydroxy, amino, C₁₋₆ alkyl, C₁₋₆alkoxy, (C₁₋₄alkoxy)C₁₋₄alkoxy, and mono- or di(C₁₋₄alkyl)amino,
- ii) C₁₋₆ alkyl and C₁₋₆alkoxy which are further substituted with a 3- to 7-membered carbocyclic group, which is saturated, unsaturated, or aromatic, which 3- to 7-membered carbocyclic and heterocyclic group may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -N(C₁₋₄alkyl)(C₁₋₄alkyl).

13. (Previously Presented) A compound or salt according to claim 9, wherein:

Ar is phenyl mono-, di-, or tri-substituted with R_C,

R_X and R_Y, which may be the same or different, are independently selected at each occurrence from

straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms;

R₁ is selected from the group consisting of hydrogen, halogen, C₁₋₄alkoxy, halo(C₁₋₄)alkyl, (halo(C₁₋₄)alkoxy, C₁₋₆alkyl, which C₁₋₆alkyl is unsubstituted or

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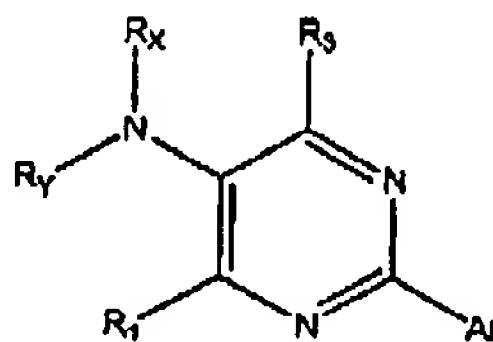
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substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino, (C₃₋₇cycloalkyl)C₁₋₄alkyl, which (C₃₋₇cycloalkyl)C₁₋₄alkyl is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino; and

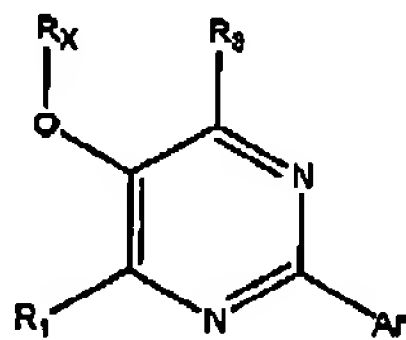
R₃ is selected from the group consisting of hydrogen, C₁₋₄alkoxy, halo(C₁₋₄)alkyl, (halo(C₁₋₄)alkoxy, C₁₋₆alkyl, which C₁₋₆alkyl is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino, (C₃₋₇cycloalkyl)C₁₋₄alkyl, which (C₃₋₇cycloalkyl)C₁₋₄alkyl is unsubstituted or substituted by one to three substituents independently selected from hydroxy, oxo, cyano, C₁₋₄alkoxy, amino, and mono- or di(C₁₋₄)alkylamino.

14. (Currently amended) A compound or salt according to claim 9 of the formula:



wherein R_X is C₁ – C₆ alkyl and R_Y are the same or different and are independently is selected from the group consisting of:
hydrogen and C₁ – C₆ alkyl.

15. (Previously Presented) A compound or salt according to the formula



wherein:

R_X is chosen from

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straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 12 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from:

(a) hydroxy, halogen, amino, cyano, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, and $-NH(C_{1-4}alkyl)(C_{1-4}alkyl)$, and

(b) 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents selected from halogen, halo(C_{1-4})alkyl, oxo, hydroxy, amino, $C_{1-4}alkyl$, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$;

R_1 is selected from hydrogen, halogen, cyano, $C_{1-6}alkyl$, $C_{2-6}alkenyl$, $(C_{3-7}cycloalkyl_1)C_{1-4}alkyl$, $(C_{3-7}cycloalkyl_1)C_{2-4}alkenyl$, $-O(C_{3-7}cycloalkyl_1)C_{1-4}alkyl$, $-O(C_{3-7}cycloalkyl_1)C_{2-4}alkenyl$, halo(C_{1-6})alkyl, halo $C_{2-6}alkenyl$, $-O(halo(C_{1-6})alkyl)$, $-O(halo(C_{2-6})alkenyl)$, $-O(C_{1-6}alkyl)$, $-O(C_{2-6}alkenyl)$, $S(O)_n(C_{1-6}alkyl)$, and $S(O)_n(C_{2-6}alkenyl)$,

R_3 is selected from hydrogen, cyano, $C_{1-6}alkyl$, $C_{2-6}alkenyl$, $(C_{3-7}cycloalkyl_1)C_{1-4}alkyl$, $(C_{3-7}cycloalkyl_1)C_{2-4}alkenyl$, $-O(C_{3-7}cycloalkyl_1)C_{1-4}alkyl$, $-O(C_{3-7}cycloalkyl_1)C_{2-4}alkenyl$, halo(C_{1-6})alkyl, halo $C_{2-6}alkenyl$, $-O(halo(C_{1-6})alkyl)$, $-O(halo(C_{2-6})alkenyl)$, $-O(C_{1-6}alkyl)$, $-O(C_{2-6}alkenyl)$, $S(O)_n(C_{1-6}alkyl)$, and $S(O)_n(C_{2-6}alkenyl)$,

where each alkyl, or alkenyl is independently straight, branched, or cyclic, and is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, $C_{1-4}alkoxy$, amino, and mono- or di(C_{1-4})alkylamino,

and

where said $C_{3-7}cycloalkyl_1$ is optionally substituted by one or more substituents independently chosen from halogen, hydroxy, oxo, cyano, $C_{1-4}alkoxy$, amino, and mono- or di(C_{1-4})alkylamino with the proviso that not both R_1 and R_3 are hydrogen;

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Ar is selected from the group consisting of phenyl and naphthyl, each of which is mono-, di-, or tri-substituted with R_C;

R_A and R_B, which may be the same or different, are independently selected at each occurrence from the group consisting of:

hydrogen, straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, and straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, nitro, cyano, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), -NHC(=O)(C₁₋₆alkyl), -N(C₁₋₆alkyl)C(=O)(C₁₋₆alkyl), -NHS(O)_n(C₁₋₆alkyl), -S(O)_n(C₁₋₆alkyl), -S(O)_nNH(C₁₋₆alkyl), -S(O)_nN(C₁₋₆alkyl)(C₁₋₆alkyl), and Z;

R_C is independently selected at each occurrence from halogen, cyano, halo(C₁₋₆)alkyl, halo(C₁₋₆)alkoxy, hydroxy, amino, and C₁₋₆alkyl substituted with 0-2 R_D, C₂₋₆ alkenyl substituted with 0-2 R_D, C₂₋₆alkynyl substituted with 0-2 R_D, C₃₋₇cycloalkyl substituted with 0-2 R_D, (C₃₋₇cycloalkyl)C₁₋₄alkyl substituted with 0-2 R_D, C₁₋₆alkoxy substituted with 0-2 R_D, -NH(C₁₋₆alkyl) substituted with 0-2 R_D, -N(C₁₋₆alkyl)(C₁₋₆alkyl) each C₁₋₄alkyl independently substituted with 0-2 R_D, -XR_A, and Y, with the proviso that at least one of the positions ortho or para to the point of attachment of Ar to the pyrimidine ring shown in Formula A is substituted;

R_D is independently selected at each occurrence the group consisting of halogen, hydroxy, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), -S(O)_n(alkyl) halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, CO(C₁₋₄alkyl), CONH(C₁₋₄alkyl), CON(C₁₋₄alkyl)(C₁₋₄alkyl), -XR_A, and Y;

X is independently selected at each occurrence from the group consisting of -CH₂-, -CHR_B-, -O-, -C(=O)-, -C(=O)O-, -S(O)_n-, -NH-, -NR_B-, -C(=O)NH-, -C(=O)NR_B-, -S(O)_nNH-, -S(O)_nNR_B-, -OC(=S)S-, -NHC(=O)-, -NR_BC(=O)-, -NHS(O)_n-, -OSiH_n(C₁₋₄-alkyl)_{2-n}-, and -NR_BS(O)_n-;

Y and Z are independently selected at each occurrence from the group consisting of: 3- to 7-membered carbocyclic groups, which are saturated,

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unsaturated, or aromatic, which may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl),

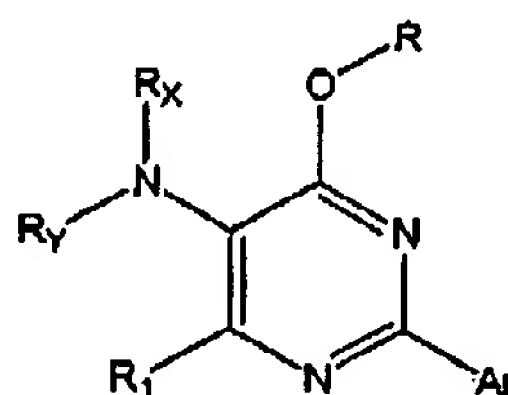
-NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl); and
 n is 0, 1, or 2.

16. (Previously Presented) A compound or salt according to claim 15 wherein:

R₁ is selected from the group consisting of hydrogen, halogen, C₁₋₄alkyl, C₁₋₄alkoxy, and halo(C₁₋₄)alkyl; and

R₃ is selected from the group consisting of hydrogen, C₁₋₄alkyl, C₁₋₄alkoxy, and halo(C₁₋₄)alkyl.

17. (Currently amended) A compound or salt according to Claim 3 of Formula B:



Formula B

wherein

Ar is phenyl mono-, di-, or tri-substituted with R_C;

R is selected from straight, branched, or cyclic alkyl groups, (cycloalkyl)alkyl groups, or and straight, branched, or cyclic alkenyl groups, and which are optionally substituted by one or more substituents independently chosen from oxo, hydroxy, halogen, cyano, -O(C₁₋₄ alkyl), amino, -NH(C₁₋₄ alkyl), and -N(C₁₋₄ alkyl)(C₁₋₄ alkyl);

R₁ is selected from hydrogen, halogen, cyano, C₁₋₄ alkyl, (C₃₋₇cycloalkyl)C₁₋₄alkyl, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, and -O(C₁₋₄alkyl); and

R_X and R_Y are the same or different and are independently selected from:

a) hydrogen (with the proviso that R_X and R_Y are not both hydrogen),

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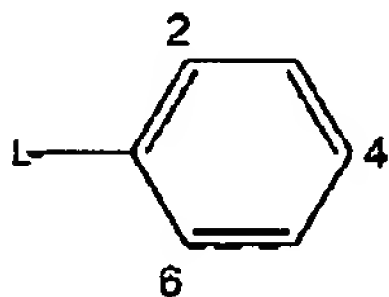
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b) $-(C=O)alkyl_A$, wherein $alkyl_A$ is a straight or branched alkyl group having from 1 to 8 carbon atoms; and

c) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, each of which may be further substituted with one or more substituent(s) independently selected from (i) hydroxy, halogen, amino, cyano, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, and $-NH(C_{1-4}alkyl)(C_{1-4}alkyl)$, and (ii) 3- to 7-membered carbocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents selected from halogen, $halo(C_{1-4}alkyl)$, $halo(C_{1-4}alkoxy)$, oxo, hydroxy, amino, $C_{1-4}alkyl$, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$, and $-S(O)_n(alkyl)$.

18. (Previously Presented) A compound or salt according to Claim 17, wherein Ar is a phenyl group of the formula:



wherein L indicates a bond to the pyrimidine ring in Formula B

and the Ar phenyl group is substituted at one, two, or three of positions 2, 4, and 6 with substituents independently selected from:

i) halogen, cyano, $halo(C_{1-4}alkyl)$, $halo(C_{1-4}alkoxy)$, hydroxy, amino, $C_{1-6}alkyl$, $C_{1-6}alkoxy$, $(C_{1-4}alkoxy)C_{1-4}alkoxy$, and mono- or di($C_{1-4}alkyl$)amino,

ii) $C_{1-6}alkyl$ and $C_{1-6}alkoxy$ which are further substituted with a 3- to 7-membered carbocyclic group, which is saturated, unsaturated, or aromatic, which 3- to 7-membered carbocyclic group may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, $C_{1-4}alkyl$, $-O(C_{1-4}alkyl)$, $-NH(C_{1-4}alkyl)$, and $-N(C_{1-4}alkyl)(C_{1-4}alkyl)$.

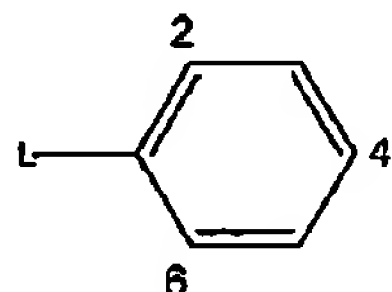
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19. (Previously Presented) A compound or salt according to Claim 17, wherein

Ar is a phenyl group of the formula:



wherein L indicates a bond to the pyrimidine ring in Formula B

and the Ar phenyl group is substituted at one, two, or three of positions 2, 4, and 6 with substituents independently selected from:

- i) halogen, cyano, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, hydroxy, amino, C₁₋₆ alkyl, C₁₋₆alkoxy, (C₁₋₄alkoxy)C₁₋₄alkoxy, and mono- or di(C₁₋₄alkyl)amino,
- ii) C₁₋₆ alkyl and C₁₋₆alkoxy which are further substituted with a 3- to 7-membered carbocyclic group, which is saturated, unsaturated, or aromatic, which 3- to 7-membered carbocyclic group may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -N(C₁₋₄alkyl)(C₁₋₄alkyl);

R_x and R_y are the same or different and are independently selected from the group consisting of:

- a) hydrogen (with the proviso that R_x and R_y are not both hydrogen),
- b) -(C=O)alkyl_A, wherein alkyl_A is a straight or branched alkyl group having from 1 to 8 carbon atoms;
- c) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms, which may be further substituted with one or more substituent(s) independently selected from hydroxy, halogen, amino, cyano, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -NH(C₁₋₄alkyl)(C₁₋₄alkyl).

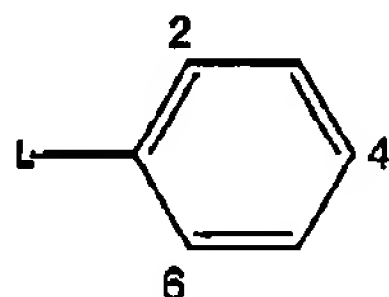
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20. (Previously Presented) A compound or salt according to Claim 17, wherein

Ar is a phenyl group of the formula:



wherein L indicates a bond to the pyrimidine ring in Formula B

and the Ar phenyl group is substituted at one, two, or three of positions 2, 4, and 6 with substituents independently selected from:

- i) halogen, cyano, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, hydroxy, amino, C₁₋₆ alkyl, C₁₋₆alkoxy, (C₁₋₄alkoxy)C₁₋₄alkoxy, and mono- or di(C₁₋₄alkyl)amino,
- ii) C₁₋₆ alkyl and C₁₋₆alkoxy which are further substituted with a 3- to 7-membered carbocyclic group, which is saturated, unsaturated, or aromatic, which 3- to 7-membered carbocyclic group may be further substituted with one or more substituents independently selected from halogen, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), and -N(C₁₋₄alkyl)(C₁₋₄alkyl);

R_x and R_y are the same or different and are independently selected from the group consisting of:

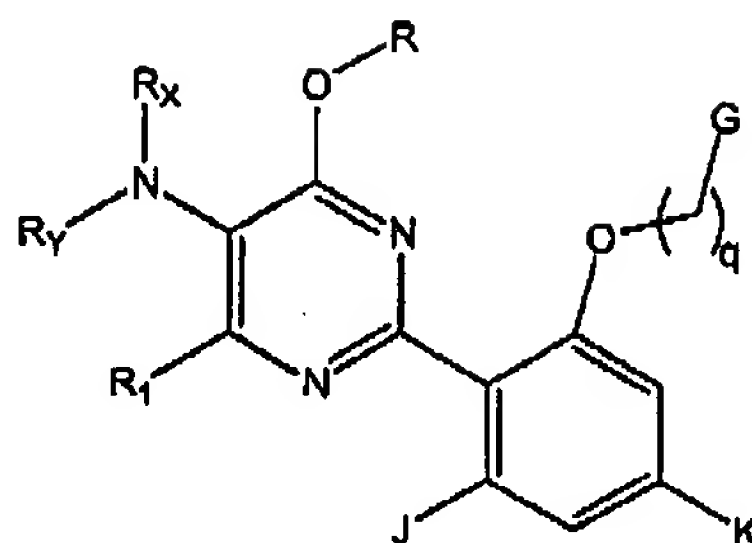
- a) hydrogen (with the proviso that R_x and R_y are not both hydrogen),
- b) -(C=O)alkyl_A, wherein alkyl_A is a straight or branched alkyl group having from 1 to 8 carbon atoms;
- c) straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, (cycloalkyl)alkyl groups consisting of 4 to 11 carbon atoms, straight, branched, or cyclic alkenyl groups consisting of 2 to 8 carbon atoms, or straight or branched alkynyl groups consisting of 2 to 8 carbon atoms.

21. (Previously Presented) A compound or salt according to Claim 17, of the formula:

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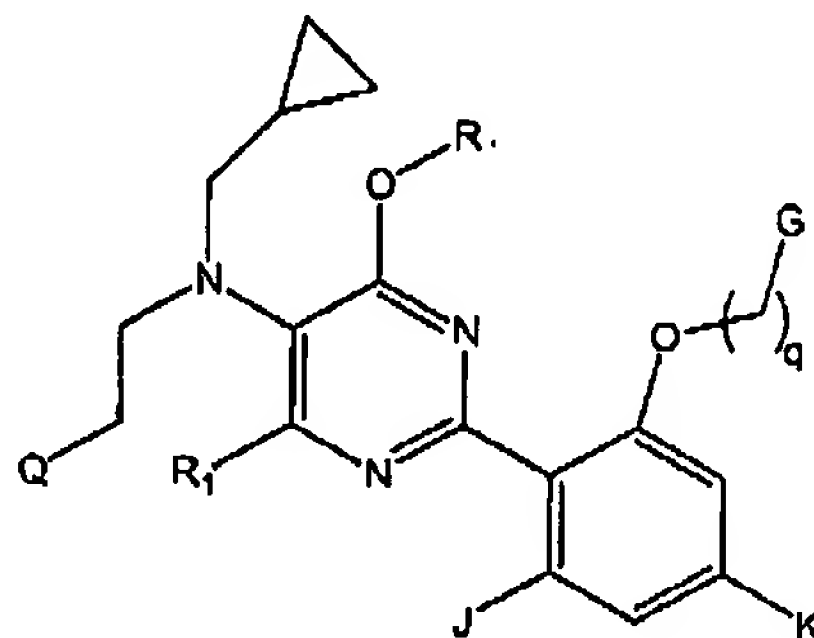
wherein:

q is an integer from 1 to 4;

G is hydrogen, hydroxy, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), or a 3- to 7-membered carbocyclic group which is saturated, unsaturated, or aromatic, which is unsubstituted or substituted with one or more substituents independently selected from halogen, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl);

J and K are independently selected from halogen, cyano, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, hydroxy, amino, C₁₋₆alkyl, C₁₋₄alkyl, C₁₋₄alkoxy, (C₁₋₄alkoxy)C₁₋₄alkoxy, and mono- or di(C₁₋₄alkyl)amino.

22. (Currently amended) A compound or salt according to Claim 17, of the formula:



wherein:

Q is hydrogen or C₃₋₇ cycloalkyl,;

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q is an integer from 1 to 4;

G is hydrogen, hydroxy, C₁₋₆alkoxy, -NH(C₁₋₆alkyl), -N(C₁₋₆alkyl)(C₁₋₆alkyl), or a 3- to 7-membered carbocyclic group, which is saturated, unsaturated, or aromatic, which is unsubstituted or substituted with one or more substituents independently selected from halogen, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, oxo, hydroxy, amino, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), and -S(O)_n(alkyl);

J and K are independently selected from halogen, cyano, halo(C₁₋₄)alkyl, halo(C₁₋₄)alkoxy, hydroxy, amino, C₁₋₆alkyl, C₁₋₄alkyl, C₁₋₄alkoxy, (C₁₋₄alkoxy)C₁₋₄alkoxy, and mono- or di(C₁₋₄alkyl)amino; and

~~R_x and R_y are the same or different and are independently selected from hydrogen (with the proviso that R_x and R_y are not both hydrogen) and straight, branched, or cyclic alkyl groups having from 1 to 6 carbon atoms, which alkyl groups may contain one or more double or triple bonds.~~

23-29. (Cancelled).

30. (Currently amended) A compound or salt according to Claim 1, wherein the compound exhibits less than 10 percent inhibition of sodium channel specific ligand binding when present at a concentration of 4 uM in a standard in vitro Na channel functional binding assay of Example 99a ~~the compound does not show any statistically significant activity at the p < 0.05 level of significance.~~

31-34. (Cancelled).

35. (Currently amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier or excipient and a compound or salt of Claim 1.

36-38. (Cancelled).

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39. (Previously Presented) A compound according to Claim 1, which is [2-(2,4-dimethoxyphenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
40. (Previously Presented) A compound according to Claim 1, which is [2-(2-chlorophenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
41. (Previously Presented) A compound according to Claim 1, which is [2-(2,4-dichlorophenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
42. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4-chlorophenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
43. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4-isopropylphenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
44. (Previously Presented) A compound according to Claim 1, which is [2-(2,4-dimethoxyphenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
45. (Previously Presented) A compound according to Claim 1, which is [4-methoxy-2-(6-methoxy-2,4-dimethylphenyl)-6-methylpyrimidin-5-yl]dipropylamine.
46. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-methoxy-6-ethylpyrimidin-5-yl]dipropylamine.
47. (Previously Presented) A compound according to Claim 1, which is [2-(2,4,6-trimethylphenyl)-4-methoxy-6-methylpyrimidin-5-yl]dipropylamine.
48. (Previously Presented) A compound according to Claim 1, which is [2-(2,4,6-trimethylphenyl)-4-methoxy-6-ethylpyrimidin-5-yl]dipropylamine.

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49. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-ethoxy-6-methyl pyrimidin-5-yl] dipropylamine.

50. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-(2-fluoroethoxy)-6-methyl pyrimidin-5-yl] dipropylamine.

51. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-isopropoxy-6-methyl pyrimidin-5-yl] dipropylamine.

52. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-methoxy-6-fluoromethyl pyrimidin-5-yl] dipropylamine.

53. (Previously Presented) A compound according to Claim 1, which is [2-(2-methoxy-4,6-dimethylphenyl)-4-methoxy-6-difluoromethyl pyrimidin-5-yl] dipropylamine.

54. (Previously Presented) A compound according to Claim 1, which is 1-[5-(dipropylamino)-6-methoxy-2-(2-methoxy-4,6-dimethylphenyl)-pyrimidin-4-yl]-ethan-1-ol.

55. (Previously Presented) A compound according to Claim 1, which is 1-[5-(dipropylamino)-6-methoxy-2-(2-methoxy-4,6-dimethylphenyl)-pyrimidin-4-yl]-propan-2-ol.

56. (Previously Presented) A compound according to Claim 1, which is [4-(2-Cyclopropyl-2-fluoro-ethyl)-6-methoxy-2-(2-methoxy-4,6-dimethyl-phenyl)-pyrimidin-5-yl]-dipropyl-amine.

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57. (Previously Presented) A compound according to Claim 1, which is [4-(2-Cyclopropyl-2-hydroxy-ethyl)-6-methoxy-2-(2-methoxy-4,6-dimethyl-phenyl)-pyrimidin-5-yl]-dipropyl-amine.

58. (Previously Presented) A compound according to Claim 1, which is 1-[5-Dipropylamino-6-methoxy-2-(2-methoxy-4,6-dimethyl-phenyl)-pyrimidin-4-ylmethyl]-cyclobutanol.

59. (Previously Presented) A compound according to Claim 1, which is (Cyclopropylmethyl)[4-methoxy-2-(6-methoxy-2,4-dimethylphenyl)-6-methylpyrimidin-5-yl]propylamine.

60. (Previously Presented) A compound according to Claim 1, which is Cyclopropylmethyl-[2-(2-ethoxy-4,6-dimethylphenyl)-4-methoxy-6-methyl pyrimidin-5-yl] propyl-amine.

61. (Previously Presented) A compound according to Claim 1, which is Cyclopropylmethyl[2-(2-propoxy-4,6-dimethylphenyl)-4-methoxy-6-methylpyrimidin-5-yl] dipropylamine.

62. (Previously Presented) A compound according to Claim 1, which is Cyclopropylmethyl[2-(2-isopropoxy-4,6-dimethylphenyl)-4-methoxy-6-methylpyrimidin-5-yl] dipropylamine.

63. (Previously Presented) A compound according to Claim 1, which is Cyclopropylmethyl[2-(2-ethoxymethoxy-4,6-dimethylphenyl)-4-methoxy-6-methylpyrimidin-5-yl] dipropylamine.

64. (Previously Presented) A compound according to Claim 1, which is [2-(dimethylamino)ethyl](cyclopropylmethyl)[6-methoxy-2-(6-methoxy-2,4-dimethylphenyl)-4-methylpyrimidin-5-yl]amine.

65-66. (Cancelled).

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67. (Previously Presented) Cyclopropylmethyl-(2-methoxy-ethyl)-[4-methoxy-2-(2-methoxy-4,6-dimethyl-phenyl)-6-methyl-pyrimidin-5-yl]-amine.

68. (Cancelled).

69. (New) A pharmaceutical composition comprising a pharmaceutically acceptable carrier or excipient and a compound or salt of Claim 3.